

## MATERIAL SAFETY DATA SHEET

Aplicare Alcohol Swabsticks

DOT 11 - As Used on Label and Label

## Section I

Manufacturer's Name: Aplicare, Inc.  
 Address (Number, Street, City, and ZIP Code):  
50 East Industrial Road  
Branford, CT 06405

Emergency Telephone Number:  
Chemtrak (800) 424-9300  
 Toaphon Number for Information:  
(203) 481-0500  
 Date Prepared:  
July 1, 2003  
 Signature of Preparer (optional):

## Section II - Hazardous Ingredients/Identify Information

| Hazardous Components (Chemical, Chemical Identity, Common Name(s)) | OSHA PEL | ACGIH TLV | Other Limits Recommended | % (optional) |
|--------------------------------------------------------------------|----------|-----------|--------------------------|--------------|
| Isopropyl Alcohol (CAS #67-53-0)                                   | 400 ppm  |           |                          | 70           |

I-416264 C-56703 ORM-D  
E-410761 C-61543 ORM-D

## Section III - Physical/Chemical Characteristics

|                         |                                                         |                                      |         |
|-------------------------|---------------------------------------------------------|--------------------------------------|---------|
| Boiling Point           | 176°F                                                   | Specific Gravity (Water = 1)         | 0.878   |
| Vapor Pressure (mm Hg)  | Approx. 90                                              | Melting Point                        | N/A     |
| Vapor Density (AIR = 1) | 2.1                                                     | Evaporation Rate (Butyl Acetate = 1) | Unknown |
| Solubility in Water     | 50 parts                                                |                                      |         |
| Appearance and Odor     | A clear, colorless liquid with a pungent, alcohol odor. |                                      |         |

## Section IV - Fire and Explosion Hazard Data

|                                    |                                                                                                                           |                  |     |    |
|------------------------------------|---------------------------------------------------------------------------------------------------------------------------|------------------|-----|----|
| Flash Point (Method Used)          | 53 F (Closed cup)                                                                                                         | Flammable Limits | UEL | 12 |
| Extinguishing Media                | Dry chemical or alcohol-type foam                                                                                         |                  |     |    |
| Special Fire Fighting Procedures   | Use water to cool fire-exposed area. Water spray may be ineffective in fighting fires.                                    |                  |     |    |
| Unusual Fire and Explosion Hazards | Respiratory protection required for fire fighting personnel. Stay upwind if possible. Vapors may form, travel and ignite. |                  |     |    |

## Section V - Reactivity Data

|           |          |                     |             |
|-----------|----------|---------------------|-------------|
| Stability | Unstable | Conditions to Avoid | None known. |
|           | Stable   |                     |             |

## Incompatibility (Materials to Avoid)

Concentrated nitric and sulfuric acids, strong oxidizers, aldehydes and halogen compounds.

## Hazardous Decomposition of Byproducts

N/A

|                          |                |                     |             |
|--------------------------|----------------|---------------------|-------------|
| Hazardous Polymerization | May Occur      | Conditions to Avoid | None known. |
|                          | Will Not Occur |                     |             |

## Section VI - Health Hazard Data

|                                                                         |       |             |       |            |
|-------------------------------------------------------------------------|-------|-------------|-------|------------|
| Route(s) of Entry:                                                      | Eyes? | Inhalation? | Skin? | Ingestion? |
|                                                                         | X     | N/A         | X     | Unlikely   |
| Health Hazards (Acute/Chronic)                                          |       |             |       |            |
| Slightly toxic if ingested; mildly irritating to eyes, nose and throat. |       |             |       |            |

|                  |      |                  |                 |
|------------------|------|------------------|-----------------|
| Carcinogenicity: | NTP? | IARC Monographs? | OSHA Regulated? |
|                  | No   | No               | No              |

## Signs and Symptoms of Exposure

If large amount is ingested, stomach cramps, pain, nausea, vomiting, drowsiness and diarrhea may occur. Headache may result from inhalation of an excessive amount.

## Medical Conditions

Generally Aggravated by Exposure: Unknown

## Emergency and First Aid Procedures

Eyes: Flush with plenty of water and see a doctor.  
 Ingestion: Give a few glasses of water and induce vomiting. Inhaled: Remove to fresh air.

## Section VII - Precautions for Safe Handling and Use

Steps to Be Taken in Case Materials is Released or Spilled:  
 It is unlikely that this product, when spilled, will cause a problem, packaged as individual packets containing 2 - 6 ml. of solution.

## Waste Disposal Method

Any solution that is spilled may be wiped up with toweling and disposed of with garbage.

## Precautions to Be Taken in Handling and Storing

Avoid storing in excessive heat (Greater than 104°F)

## Other Precautions

None.

## SECTION VIII - CONTROL MEASURES

|                                        |                                          |                |            |
|----------------------------------------|------------------------------------------|----------------|------------|
| Respiratory Protection (Specify Type)  | No personal protective equipment needed. |                |            |
| Ventilation                            | Local Exhaust                            | Special        | N/A        |
|                                        | Mechanical (General)                     | Other          | N/A        |
| Protective Gloves                      | If desired                               | Eye Protection | If desired |
| Other Protective Clothing or Equipment | None required                            |                |            |
| Work Hygienic Practices                | Normal                                   |                |            |

**MATERIAL SAFETY DATA SHEET**

Aplicara Iodophor PVP Swabssticks

IDENTITY (See Label and Unit)

**Section I**

Manufacturer's Name: Aplicara, Inc.  
Address (Number, Street, City, and ZIP Code): 50 East Industrial Road  
Brunswick, CT 06405  
Emergency Telephone Number: Chamtrack (800) 424-9300  
Telephone Number for Information: (203) 481-3500  
Date Prepared: July 1, 2000  
Signature of Preparer (optional):

**Section II - Hazardous Ingredients/Identify Information**

Hazardous Components (Specific Chemical Identity, Common Name(s))  
OSHA PEL  
AQLH TLV  
Other Limits Recommended  
% (optional)

Iodine (CAS #7553-56-2)  
0.1 ppm

**Section III - Physical/Chemical Characteristics**

Boiling Point: 212°F  
Vapor Pressure (mm Hg): Unknown  
Vapor Density (Air = 1): Unknown  
Solubility in Water: Soluble  
Appearance and Odor: A dark brown liquid solution with a faint characteristic odor.  
Specific Gravity (Water = 1): 1.04  
Melting Point: N/A  
Evaporation Rate (Butyl Acetate = 1): Unknown

**Section IV - Fire and Explosion Hazard Data**

Flash Point (Method Used): Unknown  
Extinguishing Media: Water, carbon dioxide, powder.  
Special Fire Fighting Procedures: None specific.  
Unusual Fire and Explosion Hazards: Harsh iodine fumes are emitted when product is heated to greater than 176°F (80°C).

**Section V - Reactivity Data**

Stability: Unstable  
Conditions to Avoid: None known  
Stable: X

**Incompatibility (Materials to Avoid)**

The elemental iodine is corrosive to some metals (e.g. iron), but is not corrosive to stainless steel.

**Hazardous Decomposition or Byproducts**

N/A

Hazardous Polymerization: May Occur  
Conditions to Avoid: None known  
Will Not Occur: X

**Section VI - Health Hazard Data**

Route(s) of Entry: Eyes? X  
Inhalation? N/A  
Skin? X  
Ingestion? Unlikely

**Health Hazards (Acute/Chronic)**

May cause irritation to eyes

Chronicity: NTP? N/A  
IARC Monographs? N/A  
OSHA Regulated? N/A

**Signs and Symptoms of Exposure**

May cause irritation of eyes but should not cause irritation of respiratory tract or skin. May be harmful if swallowed.

**Medical Conditions**

Generally Aggravated by Exposure: Unknown

**Emergency and First Aid Procedures**

Eyes: Flush with water for 15 minutes and seek physician if irritation persists.  
Ingestion: Give a suspension of starch or flour in water, induce emesis and call a physician.

**Section VII - Precautions for Safe Handling and Use**

Steps to Be Taken in Case Materials is Released or Spilled: It is unlikely that this product, when spilled, will cause a problem; packaged as individual packets containing 2 - 8 mL of solution.

**Waste Disposal Method**

Any solution that is spilled may be wiped up with toweling and disposed of with garbage.

**Precautions to Be Taken in Handling and Storing**

Avoid storing in excessive heat (Greater than 104°F).

**Other Precautions**

None.

**SECTION VIII - CONTROL MEASURES**

Respiratory Protection (Specify Type): No personal protection equipment needed.  
Ventilation: Local Exhaust: X  
Mechanical (General): N/A  
Protective Gloves: If desired  
Other Protective Clothing or Equipment: None required  
Eye Protection: If desired  
Work Hygiene and Practices: Normal